

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v14)**

1. Expand the following expression into standard form.

$$(2x + 9)(4x + 5)$$

2. Solve the equation.

$$(9x - 5)(3x - 2) = 0$$

3. Expand the following expression into standard form.

$$(7x + 5)(7x - 5)$$

4. Expand the following expression into standard form.

$$(9x - 8)^2$$

5. Factor the expression.

$$x^2 + 4x - 45$$

6. Factor the expression.

$$25x^2 - 16$$

7. Solve the equation with factoring by grouping.

$$20x^2 + 15x + 8x + 6 = 0$$

8. Solve the equation.

$$6x^2 - 9x - 25 = 3x^2 + 4x + 5$$